

Exhibit 1

CC gastric, ovarian, colorectal, prostate, pancreatic, lung, vulval,
CC thyroid, hepatic carcinomas, sarcomas, glioblastomas, and various head and
CC neck tumours); leukemias and lymphoid malignancies, other disorders such
CC as neuronal, glial, astrocytic, hypothalamic and other glandular;
CC macropapillary, epithelial, stromal and blastocoele disorders; and
CC inflammatory, angiogenic and immunologic disorders. The present sequence
CC represents human p50 which is given in the exemplification of the present
CC invention
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XX
SQ Sequence 406 AA;
Query Match 100.0%; Score 138; DB 5; Length 406;
Best Local Similarity 100.0%; Pred. No. 4.3e-11;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 EVEKIKTVKESATBEKLTPTVLAQAL 30
DB 121 EVEKIKTVKESATBEKLTPTVLAQAL 150
RESULT 6
AAB58968
ID AAB58968 standard; protein; 465 AA.
AC AAB58968;
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XX
DT 27-MAR-2001 (first entry)
XX
DE Breast and ovarian cancer associated antigen protein sequence SEQ ID 676.
XX
XX Human; breast cancer; ovarian cancer; cytostatic; immunosuppressive;
KW neurotrophic; neuroprotective; antiviral; antiallergic; hepatotropic;
KW antidiabetic; antiinflammatory; antitumor; vulnerable; anticonvulsant;
KW antibacterial; antifungal; antiparasitic; cardiac; immune disorder;
KW Addison's disease; allergy; autoimmune haemolytic anaemia;
KW autoimmune thyroiditis; diabetes mellitus; Crohn's disease;
KW multiple sclerosis; rheumatoid arthritis; ulcerative colitis;
KW cardiovascular disorder; wound healing; neurological disease.
XX
OS Homo sapiens.
XX
XX WO200055173-A1.
XX
XX 21-SEP-2000.
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XX 08-MAR-2000; 2000MO-US005881.
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XX 12-MAR-1999; 99US-0124270P.
XX
XX (HUMA-) HUMAN GENOME SCI INC.
XX
XX Rosen CA, Ruben SM;
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XX WPI, 2000-611515/58.
XX
XX N-PSDB; AAF21871.
XX
XX
XX New human breast and ovarian cancer associated gene sequences and the
XX polypeptides encoded by these genes, useful in the prevention, treatment
XX and diagnosis of cancer, immune disorders, cardiovascular disorders and
XX neurological diseases.
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XX Claim 11; Page 1126-1128; 1299pp; English.
XX
XX Sequences AAF21614 - AAF22031 represent DNA sequences encoding human
XX proteins AAB58711 - AAB59128. The DNA and protein sequences are
XX associated with breast and ovarian cancer. Included in the invention are
XX sequences AAF22032 - AAF22040 and AAB59129 which are used in the
XX isolation and characterisation of the DNA and protein sequences of the
XX invention. The breast and ovarian cancer associated DNA, protein, agonist
XX or antagonist sequences exhibit cytostatic; immunosuppressive; neurotrophic;
XX neuroprotective; antiviral; antiallergic; hepatotropic; antidiabetic;
XX antiinflammatory; antitumor; vulnerable; anticonvulsant; antibacterial;
XX antifungal; antiparasitic and cardiac activity. The polynucleotide and

CC protein sequences are used in the diagnosis of cancer, particularly
CC breast and ovarian cancer. The nucleic acid sequences, proteins, agonists
CC and antagonists may also be used in the diagnosis, prevention and treatment
CC of immune disorders e.g. Addison's disease, allergies, autoimmune
CC haemolytic anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's
CC disease, multiple sclerosis, rheumatoid arthritis and ulcerative colitis;
CC cardiovascular disorders such as myocardial ischaemia; wound healing;
CC neurological diseases such as cerebral anoxia and epilepsy; and
CC infectious diseases
CC
XX
SQ Sequence 465 AA;
Query Match 100.0%; Score 138; DB 3; Length 465;
Best Local Similarity 100.0%; Pred. No. 5e-11;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 EVEKIKTVKESATBEKLTPTVLAQAL 30
DB 180 EVEKIKTVKESATBEKLTPTVLAQAL 209
RESULT 7
ABP53019
ID ABP53019 standard; protein; 183 AA.
AC ABP53019;
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XX
DT 05-NOV-2002 (first entry)
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DE Mouse p50 amino acid sequence SEQ ID NO:54.
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XX Cellular proliferation inhibitor; cytostatic; antiinflammatory; cancer;
KW p50 inhibitor; dynamitin inhibitor; gene therapy; tumor; carcinoma;
KW sarcoma; glioblastoma; leukemia; lymphoid malignancy; neuronal disorder;
KW glial disorder; astrocytic disorder; hypothalamic disorder; inflammatory;
KW glandular disorder; macropapillary disorder; epithelial disorder;
KW stromal disorder; blastocoele disorder; angiogenic disorder;
KW immunologic disorder.
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XX Mus musculus.
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XX WO200264779-A2.
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XX 22-AUG-2002.
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XX 21-JAN-2002; 2002MO-US001708.
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XX 14-FEB-2001; 2001US-00782816.
XX
XX (REGC) UNIV CALIFORNIA.
XX
XX
XX Sharp DJ, Rogers GC, Scholey JM;
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XX WPI, 2002-657599/70.
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XX
XX New peptide inhibitors of p50/dynamitin useful for treating cancer by
XX inhibiting cellular proliferation, e.g. benign or malignant tumors,
XX leukemia and lymphoid malignancies, or inflammatory, angiogenic and
XX immunologic disorders.
XX
XX
XX Disclosure; Fig 2; 55pp; English.
XX
XX The present invention describes an isolated peptide (1) comprising or
XX having at least 90% identity to (P1) or (P2). Where (P1) and (P2) are the
XX sequences given in ABP52966 and ABP52967 and can have C-terminal and N-
XX terminal extensions. (1) have cytostatic and antiinflammatory activities
XX and can be used as p50/dynamitin inhibitors and in gene therapy. The
XX peptides, nucleic acid molecules and methods from the present invention
XX are useful for treating cancer by inhibiting cellular proliferation, such
XX as benign or malignant tumors (renal, liver, kidney, bladder, breast,
XX gastric, ovarian, colorectal, prostate, pancreatic, lung, vulval,
XX thyroid, hepatic carcinomas, sarcomas, glioblastomas, and various head and
XX neck tumours); leukemias and lymphoid malignancies, other disorders such